

Name: _____ Date: _____ Period: _____

Weekend Word Problem #5: Distributive Property

Situation: Ashley, Jane, Gabriella and Brian each have pumpkins to carve. Jane has four more pumpkins than Ashley. Gabriella has twice as many pumpkins as Jane. Suzanne has three less pumpkins than Gabriella.

1. Let n = the number of candies Ashley has. Please write an expression for the number of candies Jane has using the variable n , integers and any necessary operations or parentheses.

2. Now, please write an expression for the number of candies Gabriella has using the variable n , integers and any necessary operations or parentheses.

3. Next, please write an expression for the number of candies Suzanne has using the variable n , integers and any necessary operations or parentheses.

4. Finally, write an expression for the total number of candies Ashley, Jane, Gabriella, and Suzanne have all together using the variable n , integers and any necessary operations or parentheses.

5. Please simplify the expression from #4.

6. Using algebraic terms, please explain how you created the expression for Suzanne's candies. Write at least THREE COMPLETE sentences.

7. Using algebraic terms, please explain how you SIMPLIFIED the expression completely (in #5). Write at least THREE COMPLETE sentences.
